

## Plenco 7467 Phenolic, Nodular, Transfer Molded (discontinued \*\*)

Category : Polymer , Thermoset , Filled/Reinforced Thermoset , Phenolic , Phenolic, Novolac, Flock Filled

### Material Notes:

Two-Stage Phenolic. PLENCO 07467 is an organic phenolic molding compound offering excellent dimensional stability under conditions of total water immersion. 07467 is formulated to provide improved shock resistance and mechanical strength along with excellent dimensional stability. UL recognized under component file E40654. 07467 is available in black. Information supplied by Plenco

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Plenco-7467-Phenolic-Nodular-Transfer-Molded-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Plenco-7467-Phenolic-Nodular-Transfer-Molded-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	1.45 g/cc	0.0524 lb/in <sup>3</sup>	ASTM D792
Apparent Bulk Density	0.550 g/cc	0.0199 lb/in <sup>3</sup>	Apparent density per ASTM D1895
Water Absorption	0.18 %	0.18 %	ASTM D570
Linear Mold Shrinkage	0.0050 cm/cm	0.0050 in/in	per ATM D955. Post shrinkage is 0.22% per ASTM D1299.

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell E	91	91	ASTM D785
Tensile Strength, Ultimate	50.8 MPa	7370 psi	ASTM D638
Elongation at Break	0.75 %	0.75 %	ASTM D638
Tensile Modulus	7.85 GPa	1140 ksi	ASTM D638
Flexural Yield Strength	76.4 MPa	11100 psi	ASTM D790
Flexural Modulus	7.62 GPa	1110 ksi	ASTM D790
Compressive Yield Strength	213 MPa	30900 psi	ASTM D695
Poissons Ratio	0.35	0.35	In tension
Shear Modulus	2.91 GPa	422 ksi	Calculated
Izod Impact, Notched	0.260 J/cm	0.487 ft-lb/in	ASTM D256
Charpy Impact, Notched	0.300 J/cm <sup>2</sup>	1.43 ft-lb/in <sup>2</sup>	ASTM D256
Impact	153	153	J/m Plenco drop ball test

Thermal Properties	Metric	English	Comments
CTE, linear	35.0 µm/m-°C	19.4 µin/in-°F	

Thermal Properties	@Temperature 20.0 °C Metric	@Temperature 68.0 °F English	Comments
Maximum Service Temperature, Air	200 °C	392 °F	Heat resistance per ASTM D794
Deflection Temperature at 1.8 MPa (264 psi)	183 °C	361 °F	ASTM D648
Flammability, UL94	HB @Thickness 1.47 mm	HB @Thickness 0.0579 in	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.44e+11 ohm-cm	1.44e+11 ohm-cm	ASTM D257
Dielectric Constant	5.8 @Frequency 1e+6 Hz	5.8 @Frequency 1e+6 Hz	ASTM D150
Dielectric Strength	8.80 kV/mm	224 kV/in	Short Time; ASTM D149
Dissipation Factor	0.071 @Frequency 1e+6 Hz	0.071 @Frequency 1e+6 Hz	ASTM D150
Arc Resistance	160 sec	160 sec	ASTM D495
Comparative Tracking Index	175 V	175 V	ASTM D3638

## Contact Songhan Plastic Technology Co.,Ltd.

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